UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.	: 7,037,662
APPLICATION NO.	: 09/104,340
ISSUE DATE	: May 2, 2006
INVENTOR(S)	: Boyd et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At the First page, column 2 (Abstract), line 4, please delete "gone" and insert --gene-- therefor.

At column 1, line 24, please delete "Neumbiol" and insert --Neurobiol-- therefor.

At column 1, line 26, please delete "(TOF-β)" and insert --(TGF-β)-- therefor.

At column 1, line 41 (approx.), please delete "simulation" and insert --stimulation-- therefor.

At column 1, line 54, please delete "Bemstein" and insert --Bernstein-- therefor.

At column 1, line 57, please delete "348:" and insert --348;-- therefor.

At column 1, line 58, please delete "A." and insert --A.,-- therefor.

At column 2, line 1, please delete "Chang" and insert --Cheng-- therefor.

At column 2, line 2, please delete "et al." and insert --et al.,-- therefor.

At column 2, line 8, please delete "(Hiral" and insert --(Hirai-- therefor.

At column 2, line 10, please delete "7:" and insert --7;-- therefor.

At column 2, line 14 (approx.), please delete "et at.," and insert --et al.,-- therefor.

At column 2, line 34 (approx.), please delete "at al.," and insert --et al.,-- therefor.

At column 2, line 36 (approx.), please delete "(LERKS:" and insert --(LERKS;-- therefor.

At column 2, line 36 (approx.), please delete "et at.," and insert --et al.,-- therefor.

At column 2, line 43, please delete "et al. 1994:" and insert --et al., 1994;-- therefor.

At column 2, line 45 (approx.), please delete "Brambilia" and insert --Brambilla-- therefor.

At column 2, line 55, please delete "ill" and insert --III-- therefor.

At column 2, line 56, please delete "et at.," and insert --et al.,-- therefor.

At column 2, line 59, please delete "crossreactivity" and insert --cross-reactivity-- therefor.

At column 2, line 64, please delete "et al." and insert --et al.,-- therefor.

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DOCKET NO. FISHR11.001AUS

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INVENTOR(S)	: Boyd et al.	

At column 2, line 65, please delete "et **oh,**" and insert --et **al.,**-- therefor.

At column 2, line 66, please delete "**St** al.," and insert --**et** al.,-- therefor.

At column 3, line 14, please delete "et **at.,**" and insert --et **al.,**-- therefor.

At column 3, line 18-19, please delete "retinote**o**tal" and insert --retinote**c**tal-- therefor.

At column 3, line 20, please delete "et **at.**," and insert --et **al.,**-- therefor.

At column 3, line 21, please delete "370," and insert --370;-- therefor.

At column 3, line 22, please delete "et **at.,**" and insert --et **al.,**-- therefor.

At column 3, line 23 (approx.), please delete "OBJE**T**" and insert --OBJE**C**T-- therefor.

At column 3, line 32 (approx.), please delete "high affinity" and insert --high-affinity-- therefor.

At column 3, line 45, please delete "**Is**" and insert --**is**-- therefor.

At column 3, line 56 (approx.), please delete " CYS_{305} "and insert -- CYS_{306} -- therefor.

At column 3, line 57 (approx.), please delete " CYS_{352} - CYS_{385} ." and insert -- CYS_{362} - CYS_{365} .-- therefor.

At column 3, line 64, please delete "axon I, **a**xon" and insert --**e**xon I, **e**xon-- therefor.

At column 4, line 4, please delete "FIG" and insert --FIG.-- therefor.

At column 4, line 14, please delete "a**d**ds" and insert --a**ci**ds-- therefor.

At column 4, line 17, after "NO:4)" delete ",".

At column 4, line 26, please delete "**a**xon" and insert --**e**xon-- therefor.

At column 4, line 50, please delete "se" and insert --as-- therefor.

At column 5, line 42, please delete "described," and insert --described-- therefor.

At column 5, line 49, please delete "20' " and insert --20°-- therefor.

At column 5, line 50, please delete "25' " and insert --25°-- therefor.

At column 5, line 51, please delete "10' to 15' " and insert --10° to 15°-- therefor.

At column 5, line 53, please delete "**Is**" and insert --**is**-- therefor.

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At column 5, line 64, after "length" insert, --.--.

At column 5, line 66, please delete "10^5" and insert --10^8-- therefor.

At column 6, line 7 (approx.), please delete "60000" and insert --6000-- therefor.

At column 6, line 30, please delete "et al" and insert --et al.-- therefor.

At column 6, line 31, please delete "CLONING," and insert –CLONING.-- therefor.

At column 7, line 12 (approx.), please delete "**a**dd" and insert --**a**cid-- therefor.

At column 7, line 49, please delete "**ca**lls" and insert --**ce**lls-- therefor.

At column 7, line 49, please delete "**co**ils" and insert --**ce**lls-- therefor.

At column 8, line 11 (approx.), please delete "**e**s" and insert --**a**s-- therefor.

At column 8, line 16, please delete "**en**d" and insert --**an**d-- therefor.

At column 8, line 33 (approx.), please delete "subsequences" and insert --sub-sequences-- therefor.

At column 8, line 43-44, please delete "Col**l**gan" and insert --Col**i**gan-- therefor.

At column 9, line 65, please delete "defect," and insert --defect**s**,-- therefor.

At column 10, line 8, please delete "**fo**rm" and insert --**fr**om-- therefor.

At column 10, line 30, please delete "according," and insert --according-- therefor.

At column 10, line 48 (approx.), please delete "NOS" and insert --NOS:-- therefor.

At column 10, line 49, please delete "NOS" and insert --NOS:-- therefor.

At column 10, line 50, please delete "NOS" and insert --NOS:-- therefor.

At column 10, line 50 (approx.), after "amino" please insert --acid--.

At column 10, line 51 (approx.), please delete "NO" and insert --NO:-- therefor.

At column 10, line 57 (approx.), please delete "2B." and insert --2B:-- therefor.

At column 10, line 64, please delete "Sa**i**jadi" and insert --Sa**jj**adi-- therefor.

At column 11, line 9 (approx.), please delete "2E;" and insert --2E:-- therefor.

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At column 11, line 27 (approx.), Delete "hydrophob**lo**" and insert -- hydrophob**ic** -- therefor.

At column 11, line 34 (approx.), Delete "ta**ll**" and insert -- tai**l** -- therefor.

At column 12, line 5, Delete "(**1**)" and insert -- (**I**) -- therefor.

At column 12, line 8, Delete "**7**" and insert -- **7**: -- therefor.

At column 12, line 23, Delete "199," and insert -- 199**2,** -- therefor.

At column 12, line 24, Delete "Le**o**kmann" and insert -- La**c**kmann -- therefor.

At column 12, line 28 (approx.), After "Batches" insert -- of --.

At column 12, line 46 (approx.), Delete "H**e**k" and insert -- H**EK** -- therefor.

At column 12, line 56, Delete "**e**nd" and insert -- **a**nd -- therefor.

At column 12, line 61, Delete "b**l**osensor" and insert -- b**i**osensor -- therefor.

At column 13, line 16, Delete "et a**t.,**" and insert -- et a**l.,** -- therefor.

At column 13, line 30, Delete "lib**a**ry" and insert -- lib**r**ary -- therefor.

At column 13, line 41, Delete "**e**nd" and insert -- **a**nd -- therefor.

At column 13, line 44, Delete "C(bases" and insert -- C (bases -- therefor.

At column 13, line 48, Delete "GTAGTCTAGACAAGCTTGTCGACCAGGTT"

and insert -- GTAGTCTAGACAAGCTTGT CGACCAGGTTT -- therefor.

At column 13, line 55, Delete "(Sa**i**jadi" and insert -- (Sa**jj**adi -- therefor.

At column 13, line 59, After "and" insert -- λ --.

At column 13, line 60, Delete "Eliz**e**" and insert -- Eliz**a** -- therefor.

At column 13, line 64, Delete "**I**n" and insert -- **i**n -- therefor.

At column 14, line 2, Delete "**88°**" and insert -- **68°** -- therefor.

At column 14, line 12, Delete "Biosyste**rr**is," and insert -- Biosyste**m**s, -- therefor.

At column 14, line 20, Delete "17)," and insert -- 17) -- therefor.

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At column 14, line 21, Delete "11)." and insert -- 18). -- therefor.

At column 14, line 28, Delete "Aced." and insert -- Acad. -- therefor.

At column 14, line 31, Delete "N terminal" and insert -- N–terminal -- therefor.

At column 14, line 41, Delete "IV–VI," and insert -- IV–VII, -- therefor.

At column 14, line 47, Delete "223)" and insert -- 23). -- therefor.

At column 14, line 62, After "(>95%" delete "a".

At column 15, line 1, Delete "add" and insert -- acid -- therefor.

At column 15, line 4, Delete "1995," and insert -- 1996, -- therefor.

At column 15, line 5, After "expression" insert -- constructs --.

At column 15, line 7, Delete "(GTAGTCTAGACAGGACCCGGGCTCAAGGC)" and insert -- (GTAGTCTAGACAGGACCCGGGCTCCAAGGC) -- therefor.

At column 15, line 14, Delete "Mannhelm)." and insert -- Mannheim). -- therefor.

At column 15, line 17, Delete "Bt" and insert -- et -- therefor.

At column 15, line 28 (approx.), Delete "(BloRad)," and insert -- (BioRad), -- therefor.

At column 15, line 38 (approx.), Delete "ant–mouse" and insert -- anti–mouse -- therefor.

At column 15, line 46 (approx.), Delete "6." and insert -- 5. -- therefor.

At column 15, line 52 (approx.), Delete "Triis." and insert -- Tris, -- therefor.

At column 15, line 54-55 (approx.), Delete "12,10/30," and insert -- 12, 10/30, -- therefor.

At column 15, line 56 (approx.), Delete "protein" and insert -- proteins -- therefor.

At column 15, line 57 (approx.), Delete "HPLC." and insert -- HPLC, -- therefor.

At column 15, line 59 (approx.), Delete "et at.," and insert -- et al., -- therefor.

At column 15, line 64, Delete "61" and insert -- 51 -- therefor.

At column 16, line 10, Delete "et al," and insert -- et al., -- therefor.

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PTO/SB/44 Equivalent

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At column 16, line 13-14, Delete ") carbodiimide" and insert --)–carbodiimide -- therefor.

At column 16, line 21, Delete "Pharamacia" and insert -- Pharmacia -- therefor.

At column 16, line 22, Delete "Blosensor" and insert -- Biosensor -- therefor.

At column 16, Eq.1, Delete " $R_0.\ominus^{-k_d(t-t0)}$," and insert -- $R_0.e^{-k_d(t-t_0)}$ -- therefor.

At column 16, Eq. 2, Delete " $R_0/k_\ominus(1-e^{-k_\delta(t-t0)})$ " and insert -- $R_0/k_s.(1-e^{-k_s(t-t_0)})$ -- therefor.

At column 16, Eq. 3, Delete " $(1-e^{-k_\delta(t-t0)}); k_{t_0}=k_{t_0}C+k_d$ " and insert -- $(1-e^{-k_s(t-t_0)}); k_s = k_sC+k_d$ -- therefor.

At column 16, Eq. 4, Delete " $R=R_1e^{(-k_d1.(t-t0))}+(R_0-R_1)e^{-k_d2.(t-t0)}$ " and insert -- $R = R_1 e^{(-k_{d1}.(t-t_0))}+(R_0-R_1) e^{-k_{d2}.(t-t_0)}$ -- therefor.

At column 16, line 66 (approx.), Delete "**word et at.,**" and insert -- **Ward et al.,** -- therefor.

At column 17, line 5 (approx.), Delete "oh" and insert -- on -- therefor.

At column 17, line 30 (approx.), Delete "**CDNA**" and insert -- **cDNA** -- therefor.

At column 17, line 32 (approx.), Delete "aliquot." and insert -- aliquots. -- therefor.

At column 17, line 57, Delete "Plue" and insert -- Plus -- therefor.

At column 18, line 19 (approx.), Delete "intro–exon" and insert -- intron–exon -- therefor.

At column 18, line 29, Delete "(Wioks" and insert -- (Wicks -- therefor.

At column 18, line 36 (approx.), Delete "(Saijadi" and insert -- (Sajjadi -- therefor.

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At column 18, line 37 (approx.), Delete "Maisonplerre" and insert -- Maisonpierre -- therefor.

At column 18, line 37 (approx.), Delete "Oncogen" and insert -- Oncogene -- therefor.

At column 18, line 38 (approx.), Delete "**axon**" and insert -- **exon** -- therefor.

At column 18, line 63, Delete "**axon**," and insert -- **exon**, -- therefor.

At column 18, line 66, Delete "**of al.,**" and insert -- **et al.,** -- therefor.

At column 18, line 67, Delete "198**8**," and insert -- 198**6**, -- therefor.

At column 19, line 10 (approx.), Delete "216**:**" and insert -- 216**;** -- therefor.

At column 19, line 17 (approx.), Delete "(Maisonplerre" and insert -- (Maisonpierre -- therefor.

At column 19, line 33 (approx.), Delete "**I**dentify" and insert -- identify -- therefor.

At column 19, line 40 (approx.), Delete "Cys_η" and insert -- Cys_{71} -- therefor.

At column 19, line 42 (approx.), Delete "Cys_{305}" and insert -- Cys_{306} -- therefor.

At column 19, line 43 (approx.), Delete "Cys_{352}" and insert -- Cys_{362} -- therefor.

At column 19, line 59 (approx.), Delete "kD).**"** and insert -- kD), -- therefor.

At column 20, line 18, Delete "supra**:**" and insert -- supra**;** -- therefor.

At column 20, line 18, Delete "et a**t.,**" and insert -- et a**l.,** -- therefor.

At column 20, line 27 (approx.), Delete "$\mu g/\mathbf{n}$" and insert -- $\mu g/\mathbf{ml}$ -- therefor.

At column 20, line 66, Delete "k_2" and insert -- k_a -- therefor.

At column 20, line 67, Delete "10^{-5}" and insert -- 10^{-3} -- therefor.

At column 20, line 67, Delete "k_2" and insert -- k_a -- therefor.

At column 21, line 1, Delete "Appar**a**nt" and insert -- Appar**e**nt -- therefor.

At column 21, line 2, Delete "10^{-5}" and insert -- 10^{-8} -- therefor.

At column 21, line 9 (approx.), Delete "et a**t.,**" and insert -- et a**l.,** -- therefor.

At column 21, line 11 (approx.), Delete "**I**nteraction" and insert -- **i**nteraction --.

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At column 21, line 16 (approx.), Delete "Immobilised" and insert -- immobilised -- therefor.

At column 21, line 24 (approx.), Delete "6–fold" and insert -- 5–fold -- therefor.

At column 21, line 31, Delete "**BB**," and insert -- **6B**, -- therefor.

At column 21, line 53, Delete "**8D**)" and insert -- **6D**) -- therefor.

At column 21, line 56, Delete "crosslinked" and insert -- cross–linked -- therefor.

At column 22, line 3, Delete "et al." and insert -- et al., -- therefor.

At column 22, line 12 (approx.), Delete "3FLAG" and insert -- 3–FLAG -- therefor.

At column 22, line 26 (approx.), Delete "Indirect" and insert -- indirect -- therefor.

At column 22, line 31 (approx.), Delete "199," and insert -- 1994, -- therefor.

At column 23, line 6, Delete "I–II" and insert -- I–III -- therefor.

At column 23, line 7, Delete "dos–dependent" and insert -- dose–dependent -- therefor.

At column 23, line 21, Delete "Flanagan." and insert -- Flanagan, -- therefor.

At column 23, line 28 (approx.), Delete "1995." and insert -- 1995, -- therefor.

At column 23, line 28 (approx.), After "Xu" delete "of".

At column 23, line 44, Delete "In" and insert -- in -- therefor.

At column 23, line 50 (approx.), Delete "(FIG. 7)" and insert -- (as hereinbefore described) -- therefor.

At column 23, line 62-63, Delete "(Sajjadi et **ea.**," and insert -- (Sajjadi et **al.**, -- therefor.

At column 24, line 3, Delete "(FIG. 10D)." and insert -- . -- therefor.

At column 24, line 5, Delete "(FIG. 10A)," and insert -- (FIG. 7), -- therefor.

At column 24, line 19, Delete "diorganised" and insert -- disorganised -- therefor.

At column 24, line 19, Delete "(FIGS. 8A–F)." and insert -- . -- therefor.

At column 24, line 20-21, After "12 hpf" delete "(FIGS. 8B and 8E)".

At column 24, line 29 (approx.), Delete "seamentation" and insert -- segmentation -- therefor.

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At column 24, line 29-30 (approx.), Delete "(FIGS. 8B, 8E, 8C, 8F)." and insert -- . -- therefor.

At column 24, line 40 (approx.), Delete "defeots," and insert -- defects, -- therefor.

At column 24, line 46 (approx.), Delete "(Kraus," and insert -- (Krauss, -- therefor.

At column 24, line 50, Delete "(FIG.11)." and insert --(FIG. 8).-- therefor.

At column 24, line 52, Delete "FIGS. 9A, 9B) presented above." And insert --.-- therefor.

At column 24, line 54 (approx.), Delete "(FIGS. 9C-F)." and insert --.-- therefor.

At column 24, line 60 (approx.), After "injected with" delete "with".

At column 24, line 61 (approx.), Delete "(FIGS. 9A, 9B)." and insert --.-- therefor.

At column 24, line 66-67, delete "conforms (FIGS. 9D, 9F)" and insert --confirms-- therefor.

At column 25, line 8, Delete "speciffic" and insert -- specific -- therefor.

At column 25, line 14, Delete "In" and insert -- in -- therefor.

At column 25, line 22 (approx.), Delete "high affinity" and insert -- high–affinity -- therefor.

At column 25, line 25 (approx.), Delete "extodomain" and insert -- exodomain -- therefor.

At column 25, line 26-27 (approx.), Delete "high affinity" and insert -- high–affinity -- therefor.

At column 25, line 40, Delete "(FIG. 10C)," and insert --,-- therefor.

At column 25 line 40-41, Delete "(FIG. 10G)." and insert --.-- therefor.

At column 25, line 41, After "expression" delete "(FIG. 10D)".

At column 25, line 43, Delete "(FIG. 10A)" and insert -- (FIG. 7)-- therefor.

At column 25, line 48 (approx.), Delete "ligands," and insert -- ligands -- therefor.

At column 25, line 65, Delete "LERK" and insert -- LERKs -- therefor.

At column 26, line 4, Delete "9L," and insert -- al., -- therefor.

At column 26, line 7, Delete "receptively)," and insert -- respectively), -- therefor.

At column 26, line 13 (approx.), Delete "1996," and insert -- 1995, -- therefor.

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At column 26, line 33 (approx.), Delete "et al," and insert -- et al., -- therefor.

At column 26, line 35 (approx.), After solution delete "(FIG. 7)".

At column 26, line 38 (approx.), Delete "1998)" and insert -- 1996) -- therefor.

At column 26, line 47, Delete "LERK-Fe/HEK" and insert -- LERK-Fc/HEK -- therefor.

At column 26, line 57 (approx.), Delete "dimerio" and insert -- dimeric -- therefor.

At column 26, line 60, Delete "Interactions," and insert -- interactions, -- therefor.

At column 26, line 63, Delete "et el.," and insert -- et al., -- therefor.

At column 26, line 65, Delete "receptor ligand" and insert -- receptor–ligand -- therefor.

At column 26, line 67, Delete "some" and insert -- same -- therefor.

At column 27, line 1, Delete "(Gals" and insert -- (Gale -- therefor.

At column 27, line 10 (approx.), Delete "at al.," and insert -- et al., -- therefor.

At column 27, line 40 (approx.), Delete "experiments" and insert -- experiments, -- therefor.

At column 27, line 44, Before "and" delete "(FIG.7)".

At column 27, line 45, Delete "al. 1996," and insert -- al., 1995, -- therefor.

At column 27, line 51, Delete "LERK3''''" and insert -- LERK3 -- therefor.

At column 27, line 65, After "LERK" insert -- 7 -- therefor.

At column 28, line 6, Delete "arid" and insert -- acid -- therefor.

At column 28, line 7, Delete "is" and insert -- its -- therefor.

At column 28, line 9, Delete "identityin" and insert -- identity in -- therefor.

At column 28, line 10, Delete "(99.6%" and insert -- (99.5% -- therefor.

At column 28, line 10, Delete "respectively," and insert -- respectively; -- therefor.

At column 28, line 17, Delete "neccessary" and insert -- necessary -- therefor.

At column 28, line 26, Delete "suppports" and insert -- supports -- therefor.

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At column 28, line 28, Delete "at" and insert -- acts -- therefor.

At column 28, line 31 (approx.), Delete "signalling" and insert -- signaling -- therefor.

At column 28, line 33 (approx.), Delete "be Spirtz" and insert -- b, Spritz -- therefor.

At column 28, line 34 (approx.), Delete "at ea.," and insert -- et al., -- therefor.

At column 28, line 41 (approx.), Delete "ligaind" and insert -- ligand -- therefor.

At column 28, line 42, Delete "et at," and insert -- et al., -- therefor.

At column 28, line 46, Delete "et at.," and insert -- et al., -- therefor.

At column 28, line 53 (approx.), Delete "tiitrating" and insert -- titrating -- therefor.

At column 28, line 57, Delete "receptor ligands" and insert -- receptor–ligands -- therefor.

At column 28, line 59, Delete "1998," and insert -- 1996, -- therefor.

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